

## **ARM CPMWG Mixed-Phase Cloud Model Intercomparison**

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### *Model Name and History:*

Long Name: University of Wisconsin Non-Hydrostatic Modeling System  
Acronym: UW\_NMS\_BULK (Bulk Microphysics)  
UW\_NMS\_SHIPS (Spectral Habitat Ice Prediction System)  
Short Name: UW-NMS or NMS  
Generic Predecessor: UW-RAMS

*Model Type:* 2D

### *Numerical Domain:*

X-Direction size: n/a  
Y-Direction size: 60 km  
Z-Direction size: b1, b2: 15860 m  
b3: 8835 m  
X-Direction pts: 3  
Y-Direction pts: 300  
Z-Direction pts: 60  
X-Direction grid size: 200 m  
Y-Direction grid size: 200 m  
Z-Direction grid size: b1, b2: 30 m for first 25 points, then stretched by 110%  
until a max size of 750 m.

